Appendix C - User's Manual

FCC NOTICE

※ Certification or DoC 용

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,
INCLUDING INTERFERENCE THAT MAY CAUSE UNDERSIRED OPERATION.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit difference from that to which the receiver is connected.

- Consult the dealer of an experienced radio/TV technician for help.

NOTE : The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

참조 : Digital Device의 User's Manual에 포함시킬 것.

(Must be on your company letterhead)

POWER OF ATTORNEY

DATE : .

Federal Communications Commission
Authorization and Evaluation Division
7435 Oskland Mills Road
Columbia, MD 21046

To Whom It May Concern :

We the undersigned, hereby authorize THRU LAB & ENGINEERING. on our behaif, to apply to the FEDERAL COMMUNICATIONS COMMISSION on our equipment. Any and all acts carried out by THRU LAB & ENGINEERING. on our behalf shall have the same effect as acts of our own. This authorization expires on Jan, , 2003.

This is to advise that we are in full compliance with the Anti-Drug Abuse Act. We, the applicant, are not subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 USC853a, and no party to the application is subject to a denial of federal benefits pursuant to that section.

Jisan Media Co., Ltd

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(Authorized signature)

USER'S GUIDE

Uni-EYE

1/5" USB Camera

Desktop + Laptop
USED

JISAN media

Contents

1. Before using

A. Camera part names

B. Environment and usage

* PC or Laptop where USB Port is provided
* CPU MMX233Mhz or faster Pentium processor
* 32Mbyte of memory minimum
* CD-ROM Drive- mounted PC
* Hard Disc: Free storage over 10Mbytes.
* Monitor resolution: Minimum 800X600 pixels or greater
* Microsoft Windows 95 OSR2, Windows 98, Windows Me, Windows 2000(Snap shot excluded)
* Internet image Chatting: LAN Card or 56Kbps modern or faster, Sound Card, Speaker, Microphone

- How to use PC and Laptop Computer -

* For Desktop	*For Laptop
	

C. Cautions

Read and observe the items below carefully for the file span of Uni-EYE camera and user safely.

* Disconnect the USB cable when the camera is not is use for a long time.
* Do not disassemble, repair or reconstruct the product
* Keep away from magnets or speakers.
* Do not disassemble, repair, or reconstruct the lens.
* Wipe the lens with a clean cloth if the screen appears fuzzy despite focusing

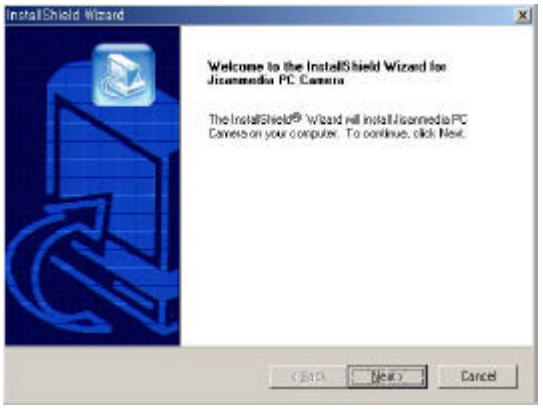
2. Installation

Uni-EYE supports Windows 95 OSR2, Window98, Windows ME, and Windows 2000(Snap Shot button driver excluded) and upgrades are supplied afterward without Charge through the Internet (http://www.jisanmedia.com)

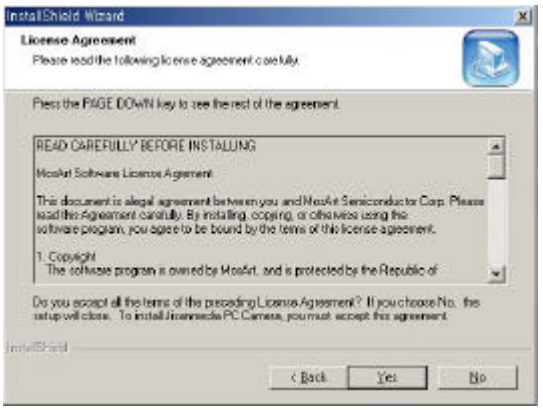
- Installation Order –
Insert the CD in CD-ROM -> Install the Driver -> Connect the Uni-EYECamera with USB Port -> Camera Driver is installed automatically -> Reboot the system

A. Installation of Uni-EYE Camera Driver

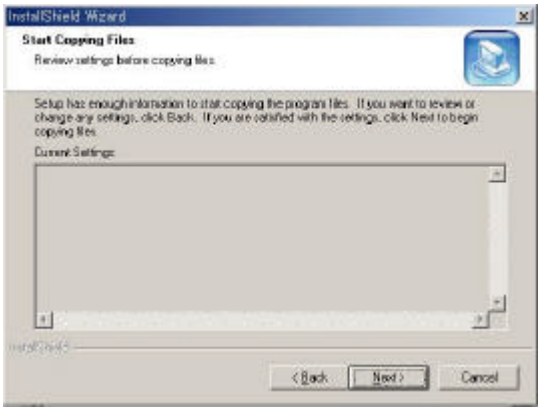
1. Insert the enclosed CD in CD-ROM.
2. Execute Setup.exe on the CD(in “Driver” Folder). When the installation program is run press the “Next (N)’ button.



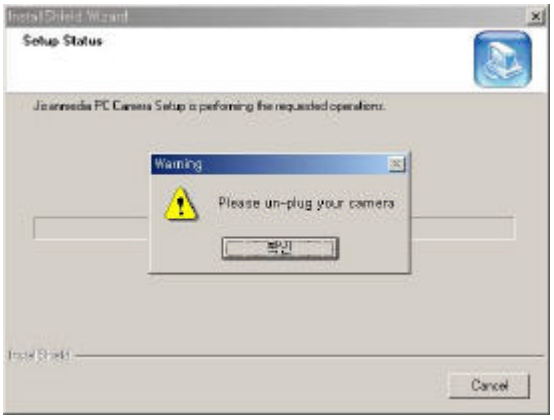
3. License Agreement. Press the “Yes(Y)”



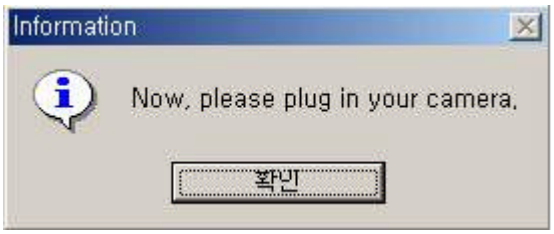
4. Start Copying Files. Press the “Next (N) Button.



5. Un-plug Uni-EYE Camera. Press the “Yes” button.



6. After copy driver files, plug in Uni-EYE Camera at USB port.



7. When the dialog box below appears, the installation has finished successfully.

Check the “Yes, I want to restart my computer now”. Press the “Finish” button.

8. To use the Uni-EYE normally, restart the system.

3. How to use Uni-EYE Viewer

Uni-EYE program includes " Uni-EYE" for image and moving image(avi file) capture.

A. How to run and utilize Uni-EYE viewer

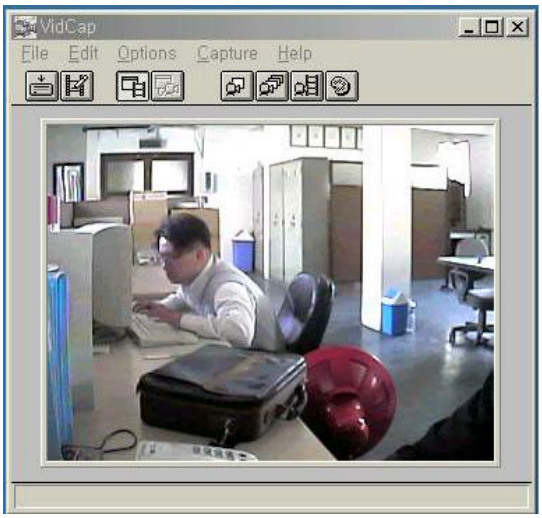
The Uni-EYE viewer program explains about picture capture, movie capture and camera settings.

First, copying files to your hard disk.(From CD Viewer Folder)

Double click the "vidcap32.exe".

After a while, the Uni-EYE viewer screen appears as shown in figure.

(If the program doesn't work normally, see "Troubleshooting".)



1) Explanation of menus and buttons.

File : Save/Load Palette, Fine Name, and etc.

Edit : Edit, Paste, and Vidcap setting

Option : Sets camera options like capture location, option of moving image capture, and video and audio options

Capture : Still Image and Movie Capture

Help : Display Help and Vidcap version

2) Image capture

Image capture has two methods. Press the "Capture ->> Single Frame" of the Uni-EYE viewer or capture the image using the snap shot button on the Uni-EYE. In this case, the screen may sometimes stops. (The snap shot button isn't supplied in Windows 2000.)

3) Moving image capture.

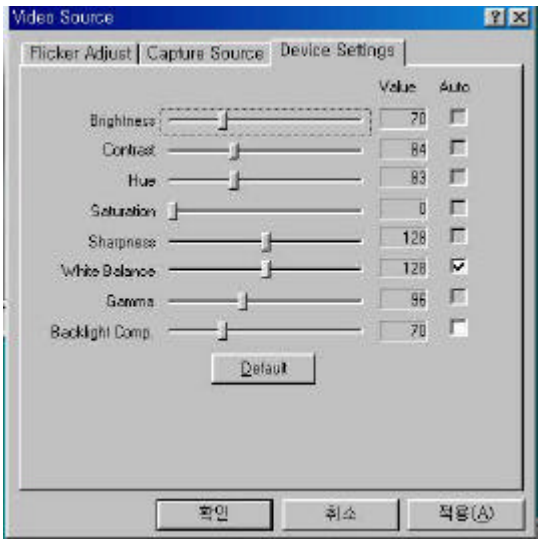
To save the moving image, press the “Capture → Video” of Uni-EYE viewer. The saved moving image is saved as a moving image file(file name: Captured.avi)at the designated location in” File – Set Capture File”.

4) Color control of camera

Adjusts the screen’s brightness, contrast, hue, saturation, and sharpness.

Press the “ Option – Video Source” on the Uni-EYE viewer screen to Display the screen below:

- Brightness: Controls screen brightness. The larger the value, the brighter the screen becomes and the smaller the value, the darker the screen becomes.
- Contrast: Controls lightness and darkness by adjusting the strength of light coming into the camera’s electric iris the larger the value, the larger the difference between lightness and darkness becomes.
- Hue: Controls the color.
- Saturation: Controls screen saturation. The larger the value, the higher the saturation becomes.
- Sharpness: Expresses the visual sharpness of the image and the distinction of screen. The larger the value, the larger the visual sharpness becomes and the higher the distinction of screen becomes.

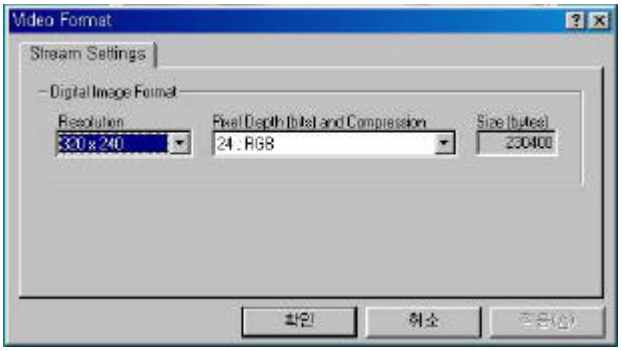


5) Screen size & color bits setting

Sets the screen size and color bits of Uni-EYE viewer.

Internal screen and image screen size of the Uni-EYE viewer are set in two steps.

A. Select the “Option setup – Video Option – Format” to display the internal screen of Uni-EYE viewer as follows:



B. Resolution: Select the desired internal screen size. 640X480, 352X288, 320X240, 176X144, 160X120 (Various output sizes can be applied.)

C. Color Depth & Compression: Select from M420, I420, IYUY, and RGB24. For Uni-EYE camera, using the M420 guarantees the clearest screen and the fastest speed.

4. Troubleshooting

A. Not installed.

Read ”2 Installation” in the User’s Guide in full and perform the install again according to the installation order. Trouble on installation may happen if you install the hardware (Uni-EYE camera) at the USB port before installing the software and driver. This is because collision takes place due to installing another USB camera previously. (Different trouble may occur depending on the system.)

B.USB port isn’t recognized despite connecting the USB port with the PC.

Check if USB port or USB interrupt (IRQ) is set to disable in BIOS on the motherboard. If so, the camera connected at the USB port isn’t recognized. Switch into Enable.

C. Hardware snap shot button doesn’t work normally.

This can happen if another USB camera has been installed or if another USB camera driver isn’t deleted. Delete the previous camera completely and reinstall the Uni-EYE to operate it normally.

(Sometimes, it doesn’t work in connecting the USB cable of Uni-EYE with USB port of PC after switching on the

PC.)

D. In case of disconnecting Uni-EYEUSB cable while running.

If the Uni-EYEUSB cable is disconnected while the Uni-EYE viewer program is running, the driver program is deleted automatically. At this time, the screen stops. In this case, exit the Uni-EYE viewer program, connect the Uni-EYEUSB cable with the PC USB port, and then run the Uni-EYE viewer program again.

E. Uni-EYE driver can't be found.

If collision occurs with device drivers of other cameras, the window searching for the driver can appear repeatedly. At this time, press the "Cancel" button and when the window disappears, restart the system.

F. Screen isn't clear.

Adjust the focus by turning the focusing dial of camera right and left.
Clean the lens with a clean, damp cloth if it is stained.

G. Screen is too dark or bright.

For Uni-EYE, brightness is controlled automatically. However, the screen quality deteriorates in counter light or dark rooms. In this case, refer to "3. How to use Uni-EYE viewer & bundled programs –4) Color control of camera" in User's Guide.